

2015 (University of California PIMA VARIETY TRIAL)

Fiber Quality (hvi) data summary (USDA Visalia Classing Office)

Questions?	Cooperative Project by: 1 / 30 / 2016 version
Contact: Bob Hutmacher, (Univ. CA) Cell: (559) 260-8957 email: rbhutmacher@ucdavis.edu	University of California Cooperative Extension (UC-ANR) / Univ. CA Davis Plant Sci. Dept./ Univ. CA West Side REC Funding by: CA Cotton Growers Assoc., CA Cotton Alliance, UC-ANR / UCCE, UCD Plant Sciences Cooperators: multiple growers, Steve Wright, Dan Munk, Mark Keeley, Raul Delgado, Tarilee Frigulti, Nick Clark, Bill Weir, Brian Marsh, SJV Quality Cotton Growers Assoc - Shafter, UCCE Tulare, Kings, Fresno, Kern, Merced Co.'s

LOCATION: RIVERDALE (Fresno County)

HARVEST DATE: 10/22

30 inch row spacing trial

2015 (UC PIMA VARIETY TRIAL - 30")

LOCATION: RIVERDALE

VARIETY	MIC	LENGTH	STREN	UI	MANUAL CLASSING			COLOR	
					LEAF GRADE	HVI COLOR	HVI TRASH	RD	+B
PHY-805RF	4.03	1.41	47.2	87.7	4.25	2.50	1.35	68.0	11.5
PX8431RF-CB	4.38	1.43	47.8	88.2	3.75	3.00	1.15	67.6	11.6
PX8188RF-HB	4.35	1.45	46.8	87.8	3.75	2.75	1.00	68.2	11.4
PHY-811RF	3.93	1.42	47.1	88.0	5.00	3.25	1.70	67.0	11.4
DP-348RF	4.13	1.41	48.4	87.9	4.75	3.00	1.48	66.9	11.4
DP-358RF	3.80	1.43	48.0	87.8	5.00	3.00	1.70	67.0	11.4
MEAN	4.10	1.43	47.6	87.9	4.42	2.92	1.40	67.5	11.5
LSD 0.05	0.19	NS	NS	NS	0.83		0.37	0.9	NS
LSD 0.10						0.41			
%CV	3.0	1.4	3.0	0.8	12.4	11.4	17.6	0.9	1.3
P	0.000	0.159	0.582	0.935	0.010	0.087	0.005	0.032	0.266

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Seed cotton yields, lint percent, gin turnout percent, lint yields

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LOCATION: SHAFTER (Kern County)

HARVEST DATE: 11/09

40 inch row spacing

SWEN 5 2015 (UC PIMA VARIETY TRIAL - 40")

LOCATION: SHAFTER (FIELD 15)

VARIETY	MIC	LENGTH	STREN	UI	MANUAL CLASSING			COLOR	
					LEAF GRADE	HVI COLOR	HVI TRASH	RD	+B
PHY-805RF	4.00	1.41	47.5	87.2	4.00	3.00	1.13	68.3	11.0
PX8431RF-CB	4.38	1.43	46.7	87.8	4.00	2.75	1.18	67.7	11.2
PX8188RF-HB	4.25	1.44	47.5	87.9	3.75	2.50	1.05	68.7	11.2
PHY-811RF	4.03	1.43	46.8	87.3	5.00	3.25	1.65	67.2	11.1
DP-348RF	4.08	1.40	48.1	86.5	4.00	3.00	1.13	68.2	11.1
DP-358RF	3.95	1.42	45.9	87.5	4.25	3.00	1.23	67.8	11.3
PHY-802RF	3.75	1.46	47.8	87.7	4.25	3.25	1.33	68.2	11.0
MEAN	4.06	1.43	47.2	87.4	4.18	2.96	1.24	68.0	11.1
LSD 0.05	0.26	0.04	NS	NS	NS	NS	NS	NS	NS
%CV	4.3	1.6	4.0	0.8	22.3	19.5	28.6	1.5	2.6
P	0.002	0.020	0.709	0.100	0.622	0.544	0.312	0.522	0.742

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LOCATION: CORCORAN (Kings County)

HARVEST DATE: 10/26

30 inch row spacing trial

2015 (UC PIMA VARIETY TRIAL - 30")

LOCATION: CORCORAN

VARIETY	MIC	LENGTH	STREN	UI	MANUAL CLASSING			COLOR	
					LEAF GRADE	HVI COLOR	HVI TRASH	RD	+B
PHY-805RF	3.88	1.44	46.1	86.8	4.50	2.75	1.35	68.6	11.0
PX8431RF-CB	3.93	1.45	46.4	87.1	3.75	3.00	1.15	67.6	11.3
PX8188RF-HB	3.88	1.47	44.5	87.2	4.25	3.00	1.38	68.4	11.0
PHY-811RF	3.78	1.42	43.6	86.8	5.25	3.25	1.68	67.4	10.7
DP-348RF	3.78	1.42	45.3	87.1	5.25	3.00	1.75	67.3	10.9
DP-358RF	3.68	1.45	45.8	87.9	5.75	3.00	2.00	68.0	10.6
MEAN	3.82	1.44	45.3	87.2	4.79	3.00	1.55	67.9	10.9
LSD 0.05	NS	0.03	NS	NS	1.19	NS		NS	0.3
LSD 0.10							0.50		
%CV	5.3	1.3	3.2	0.7	16.4	18.3	26.2	1.7	1.7
P	0.545	0.008	0.103	0.150	0.024	0.885	0.090	0.518	0.002

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LOCATION: LOS BANOS (Merced County)

HARVEST DATE: 10/20

30 inch row spacing trial

2015 (UC PIMA VARIETY TRIAL - 30")

LOCATION: LOS BANOS

VARIETY	MIC	LENGTH	STREN	UI	MANUAL CLASSING			COLOR	
					LEAF GRADE	HVI COLOR	HVI TRASH	RD	+B
PHY-805RF	3.30	1.40	44.8	86.0	3.00	2.00	0.68	68.5	12.3
PX8431RF-CB	3.35	1.43	44.1	87.3	2.75	2.00	0.63	69.6	12.3
PX8188RF-HB	3.33	1.44	44.1	86.3	2.75	1.75	0.58	69.3	12.3
PHY-811RF	3.30	1.42	43.7	86.8	3.50	2.25	0.88	68.7	11.9
DP-348RF	3.35	1.39	43.4	86.4	3.50	2.25	0.88	69.0	12.1
DP-358RF	3.13	1.38	43.2	86.7	3.50	2.00	0.85	69.1	12.0
HA-1432	3.35	1.38	38.3	86.0	2.50	1.25	0.58	72.8	10.7
MEAN	3.30	1.41	43.1	86.5	3.07	1.93	0.73	69.6	11.9
LSD 0.05	NS	0.02	2.4	NS	NS		NS	1.1	0.2
LSD 0.10						0.54			
%CV	4.7	1.2	3.8	0.8	22.4	22.6	31.2	1.1	1.4
P	0.426	0.000	0.001	0.120	0.222	0.062	0.217	0.000	0.000